

EROS DATA CENTER



An Overview

USGS EROS Data Center (EDC)



U.S. Department of the Interior
U.S. Geological Survey

EROS Vision Statement

The U.S. Geological Survey's Earth Resources Observation Systems (EROS) Data Center's vision is to be the world's leading source of land information for exploring our changing planet.



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U.S. Geological Survey

EROS Mission Statement

- To promote new uses, new users, and new understanding of land information, so that others can better understand our planet
- To ensure scientists, researchers, businesses, decision makers, and the public have ready access to the land information they need
- To safeguard and expand the world's largest civilian archive of remotely sensed land data



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USGS EROS Data Center

- A National Center of the U.S. Geological Survey
- 16 miles NE of Sioux Falls, South Dakota
- 80 civil servants and over 520 contractors
- Key dates in EROS history:
 - 1966 - EROS Program established
 - 1971 - EDC opens in downtown Sioux Falls
 - 1973 - EDC moves to current location
 - 1982 - EDC joins USGS National Mapping Division
 - 1992 - Land Remote Sensing Policy Act passed
 - 1996 - EDC building addition completed
 - 1998 - EDC celebrates its 25th anniversary
 - 1999 - Landsat 7 launched



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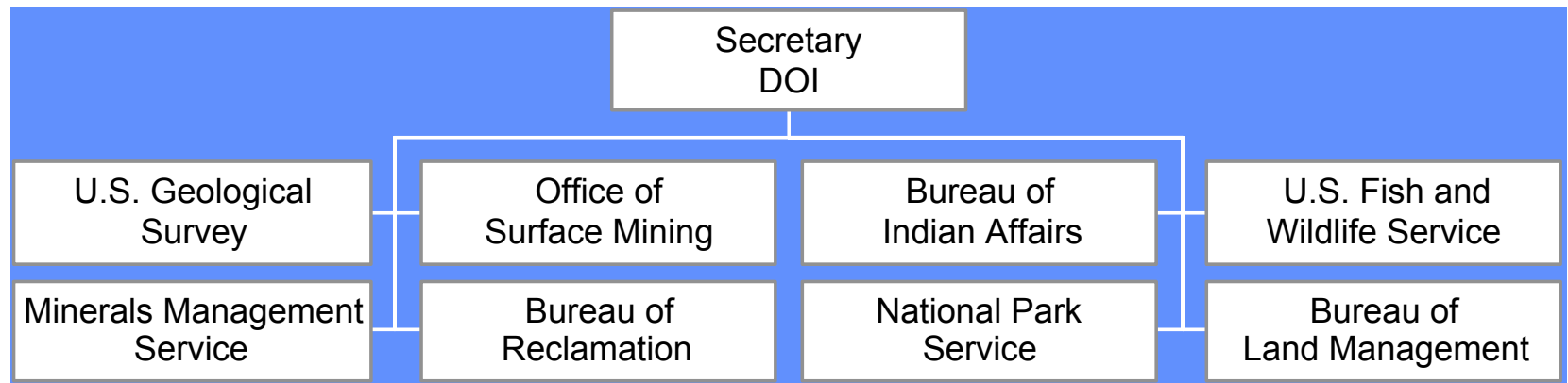
USGS EROS Data Center

- Home of the:
 - National Satellite Land Remote Sensing Data Archive
 - Land Processes Distributed Active Archive Center
 - World Data Center-A for Remotely Sensed Land Data
 - USGS Sales Data Base
 - United Nations Environment Programme / Global Resource Information Data Base



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Department of the Interior



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U.S. Geological Survey (USGS)

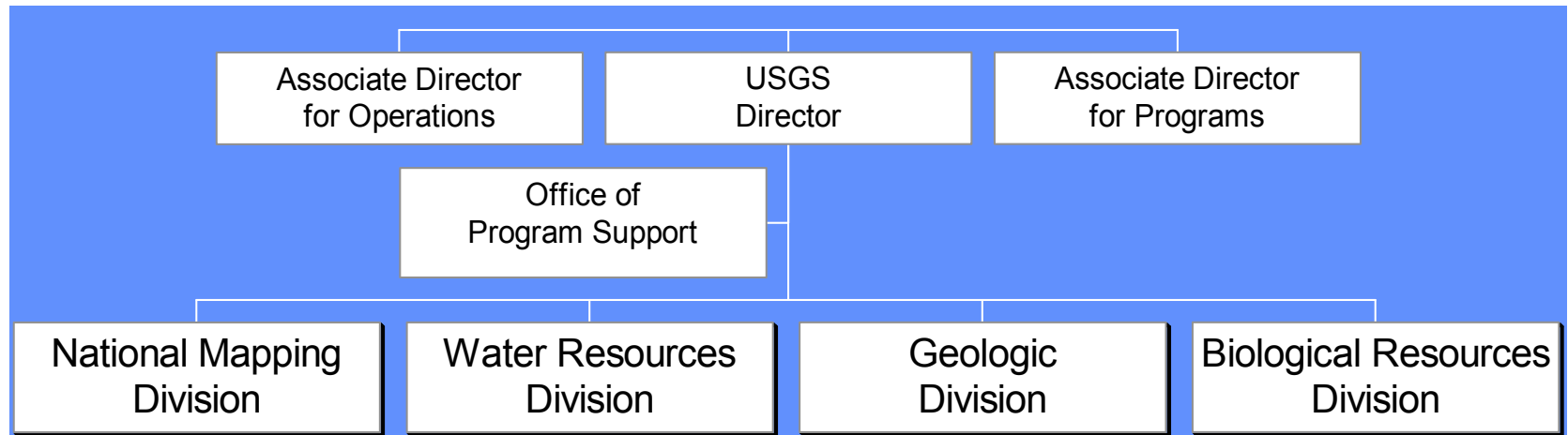
- One of 8 bureaus of the U.S. Department of the Interior
- Provides impartial, credible earth science information
- 10,000 employees in over 220 offices nationwide
- Disciplines:
 - Geography
 - Geology
 - Water
 - Biology



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OLD

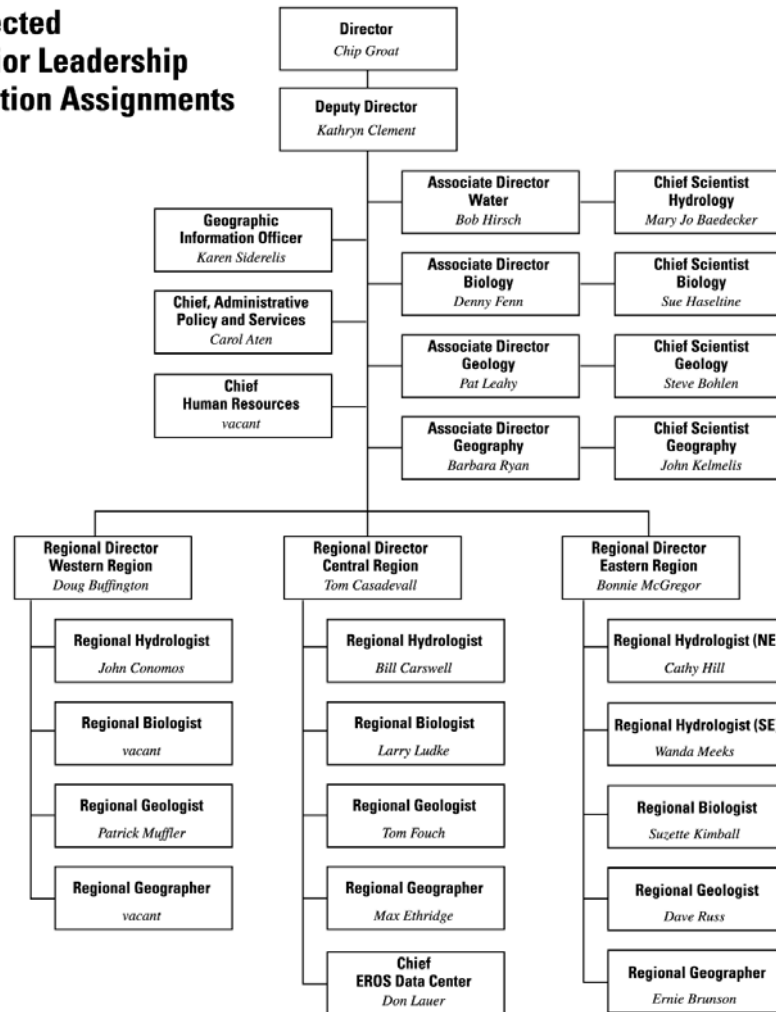


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Selected Senior Leadership Position Assignments

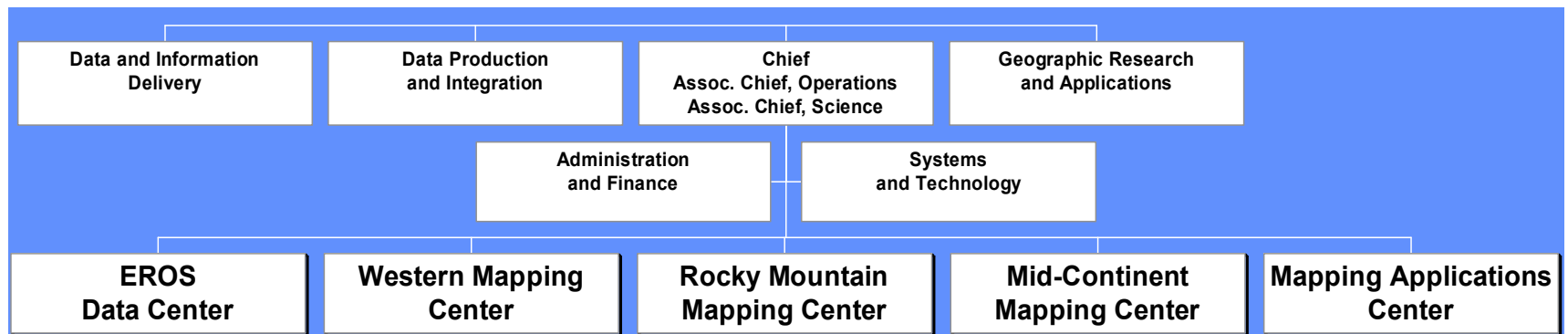
NEW



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National Mapping Program

OLD



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USGS EROS Data Center

- Work Organization
 - Program Management Office
 - Administration and Finance Office
 - Facilities Management Office
 - Data Services Branch
 - USGS Production Support Program
 - USGS Data Distribution Program
 - Emergency Response Program
 - Production Services
 - User Services
 - Information Services
 - Archive Services



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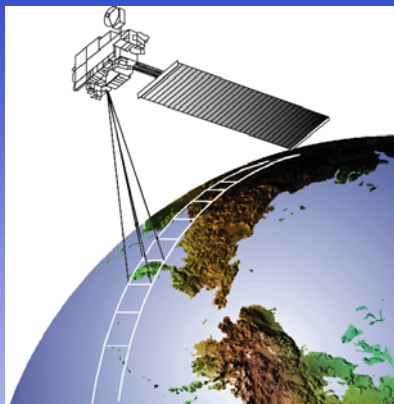
- Work Organization
 - Satellite Systems Branch
 - Satellite Systems Initiatives Program
 - Earth Observing System Support Program
 - Landsat 7 Program
 - Computer Services Branch
 - Systems Architecture and Technology Program
 - Information Technology Services
 - Systems Engineering and Development Services
 - Science and Applications Branch
 - Research and Applications Program
 - Topographic Science Program
 - Land Cover Characterization Program
 - International Program



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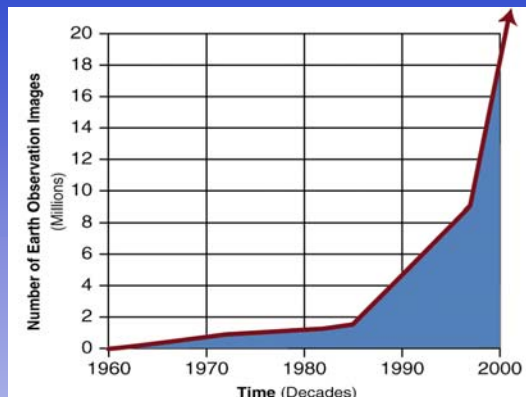
Land Remote Sensing from Space: Acquisition to Applications

Earth Observation Satellites



- Declassified Systems
- Landsat 1-5
- NOAA - POES
- Shuttle Radar
- Landsat 7 (1999)
- NASA-EOS (1999)
- High Resolution Systems

USGS National Archive Challenge



- Preserve
- Provide Access
- Process
- Reproduce
- Distribute
- Hold in Trust

Data Applications



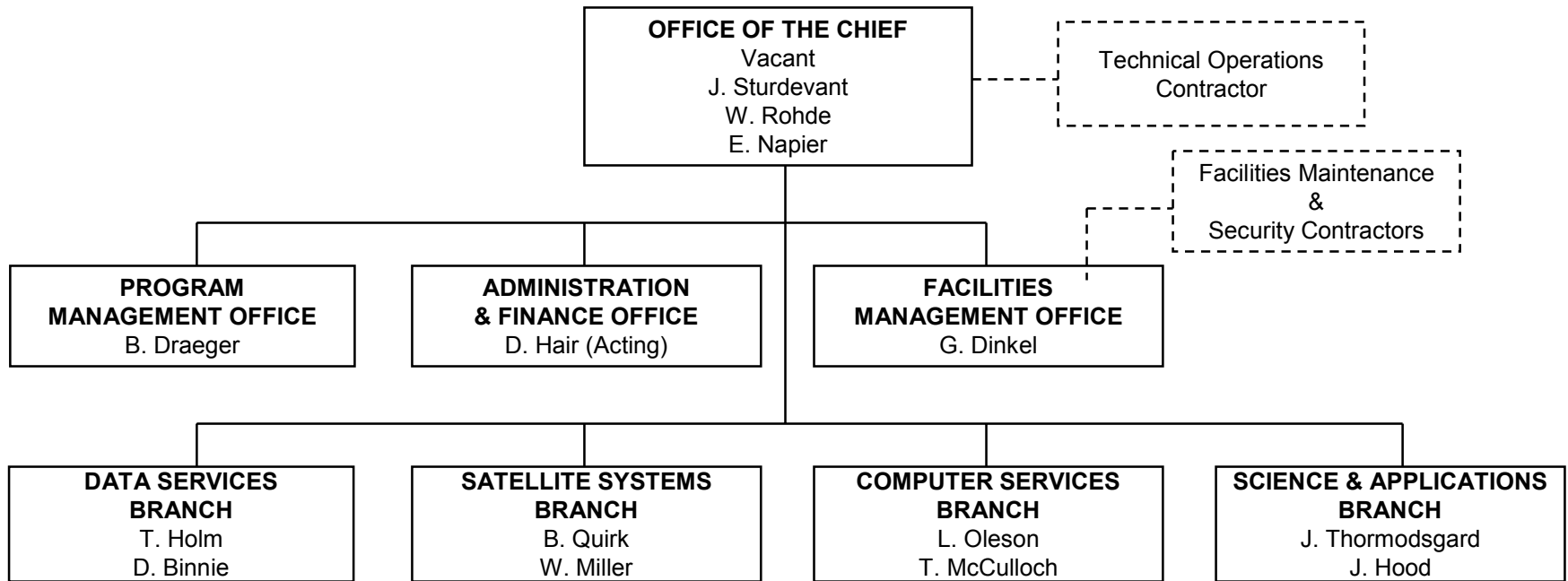
- Land Cover
- Fire Danger Rating
- DOI Land Management
- Natural Hazards
- Coastal Zones
- Environmental Monitoring
- Emergency Response

Expanding to over 18 million images of the earth!



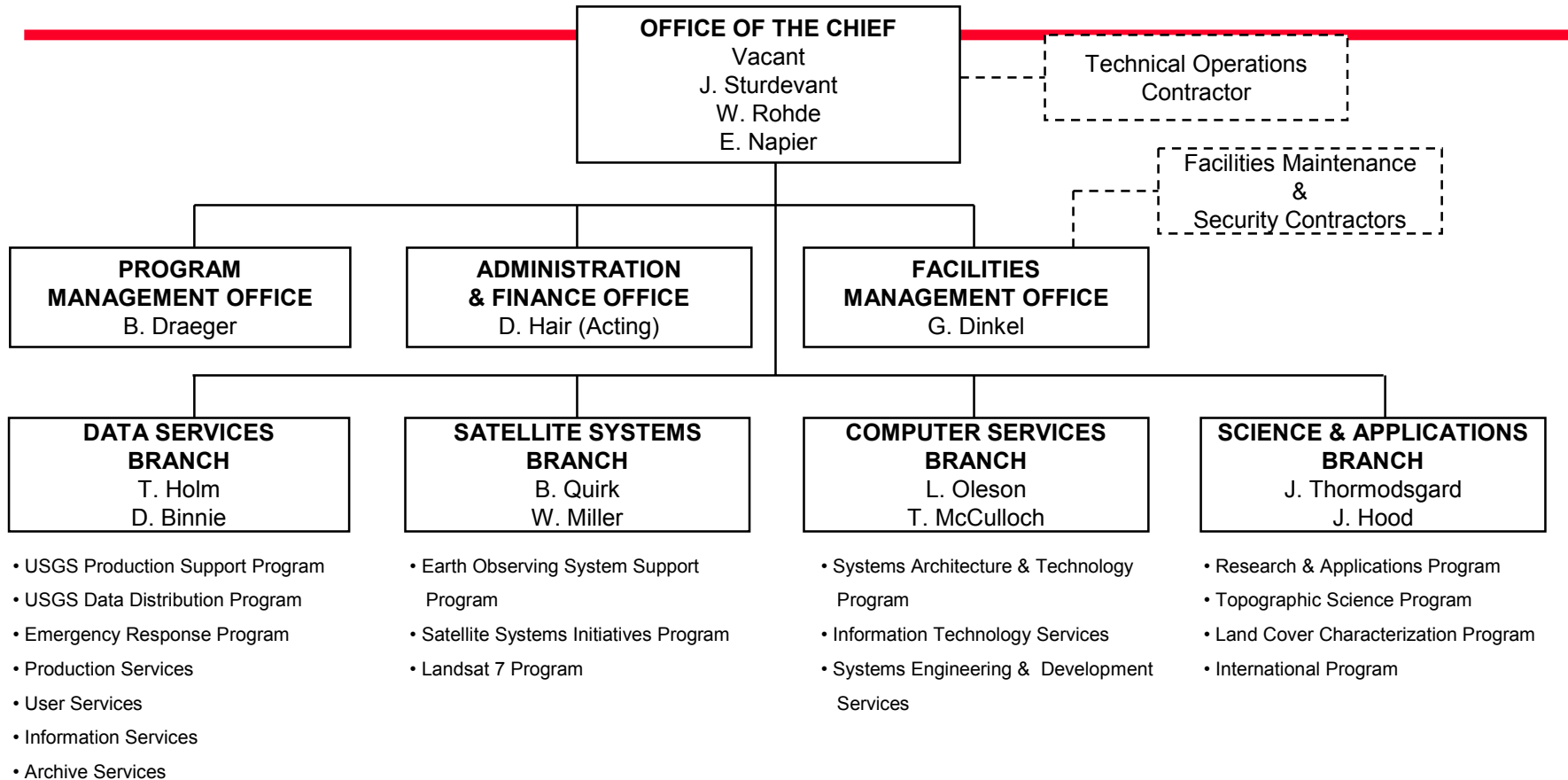
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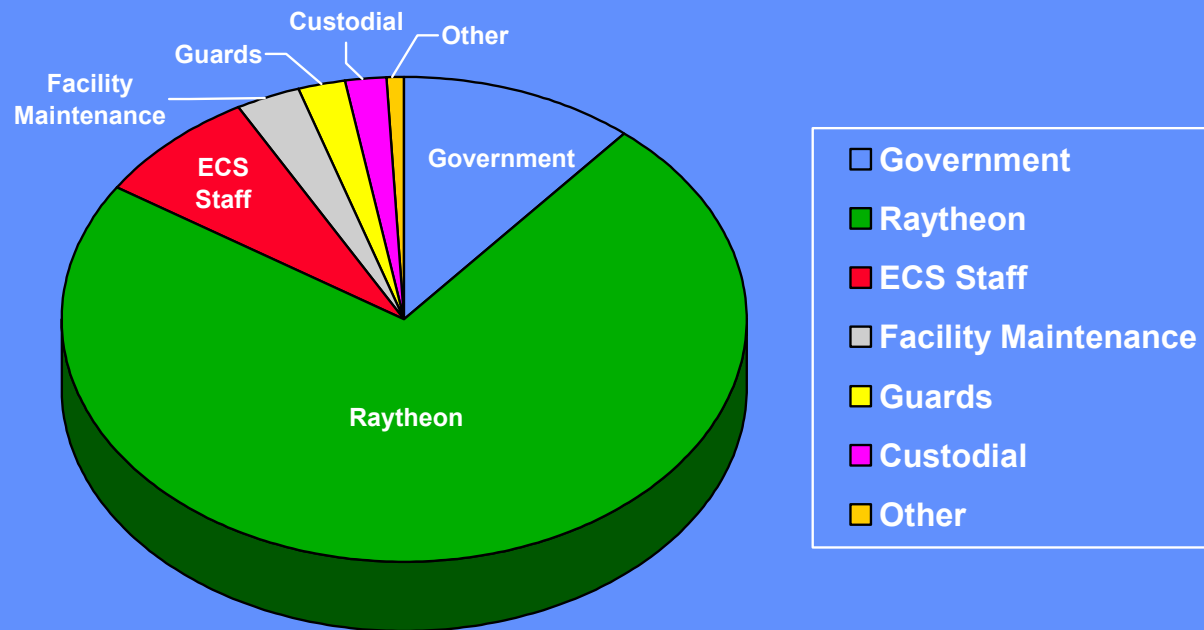
■ Expertise

- Customer services
- Information systems development and technologies
- Remote sensing and its applications
- Earth system sciences - terrestrial, ecosystem, global change
- Software development and maintenance
- Systems engineering
- Data management
- High speed communications
- Image processing
- Product generation, digital and photographic

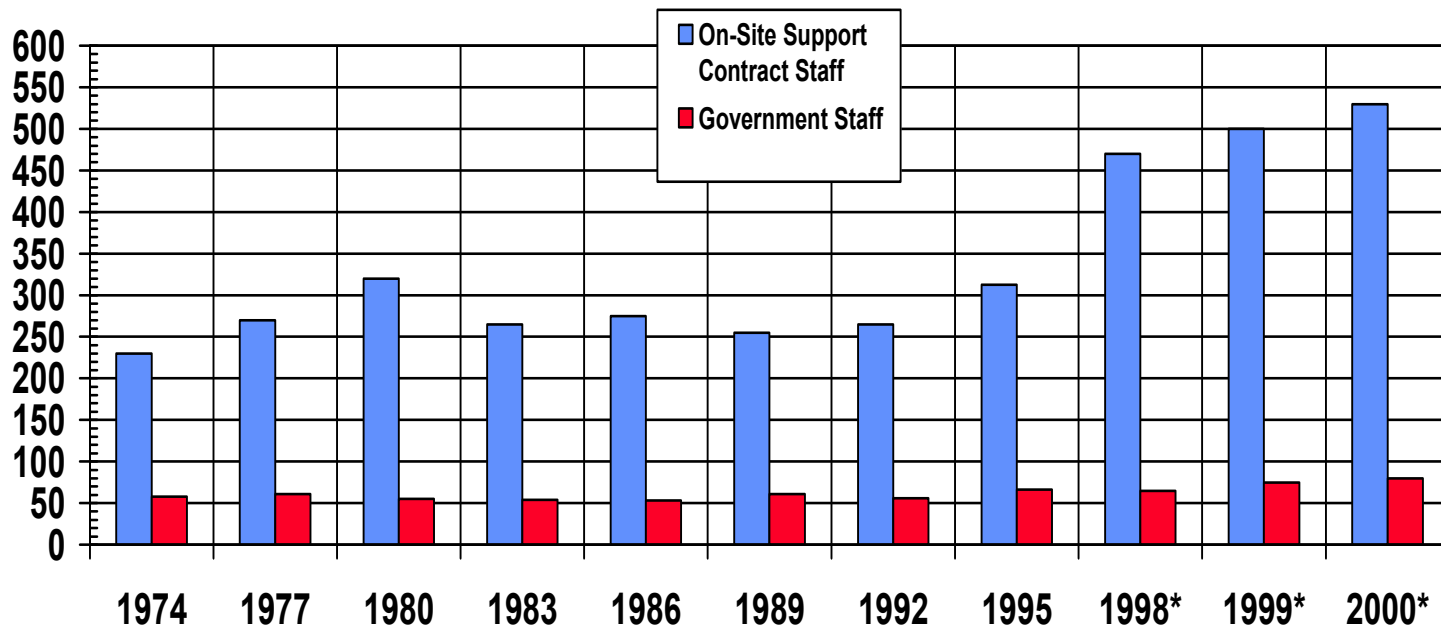


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EROS Data Center Staffing Profile



EROS Data Center Staffing History

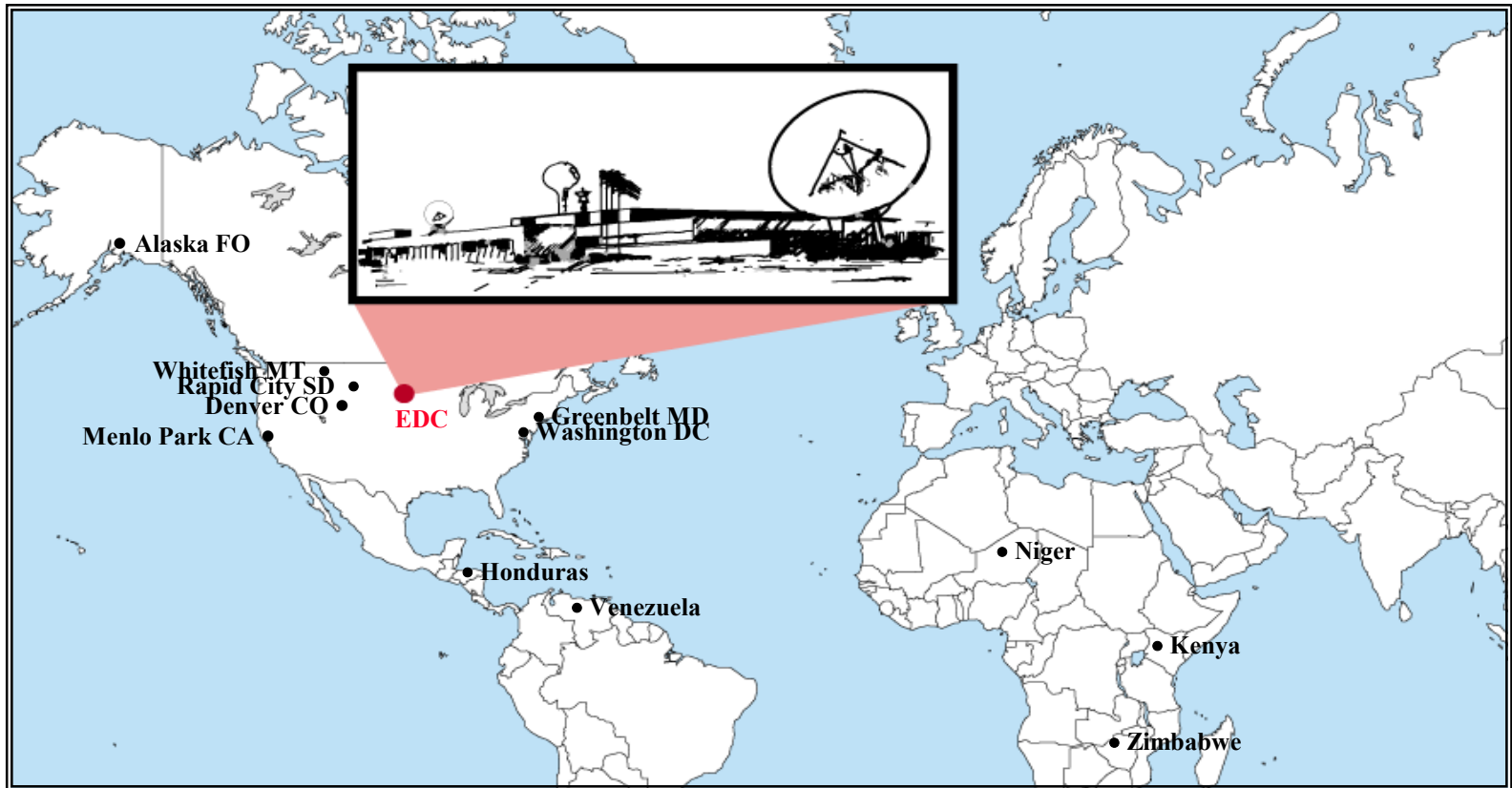


* includes ECS staff



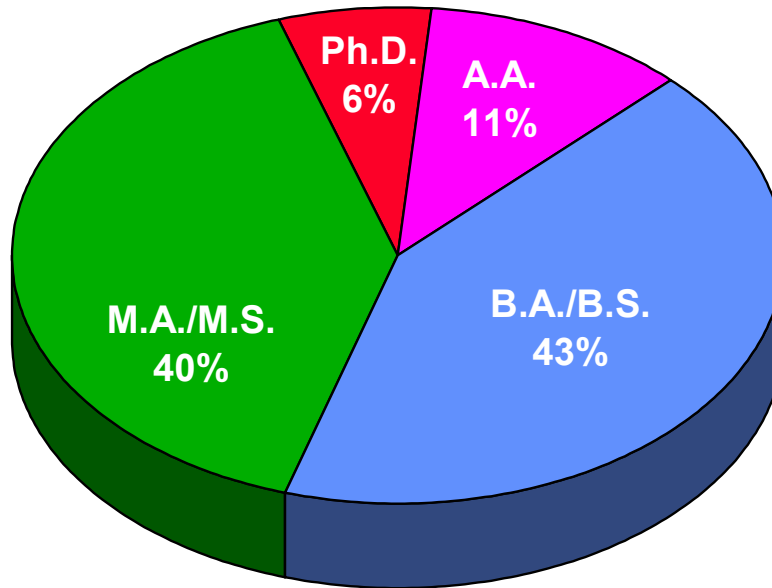
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Staff Locations



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EROS Data Center Staffing Educational Levels



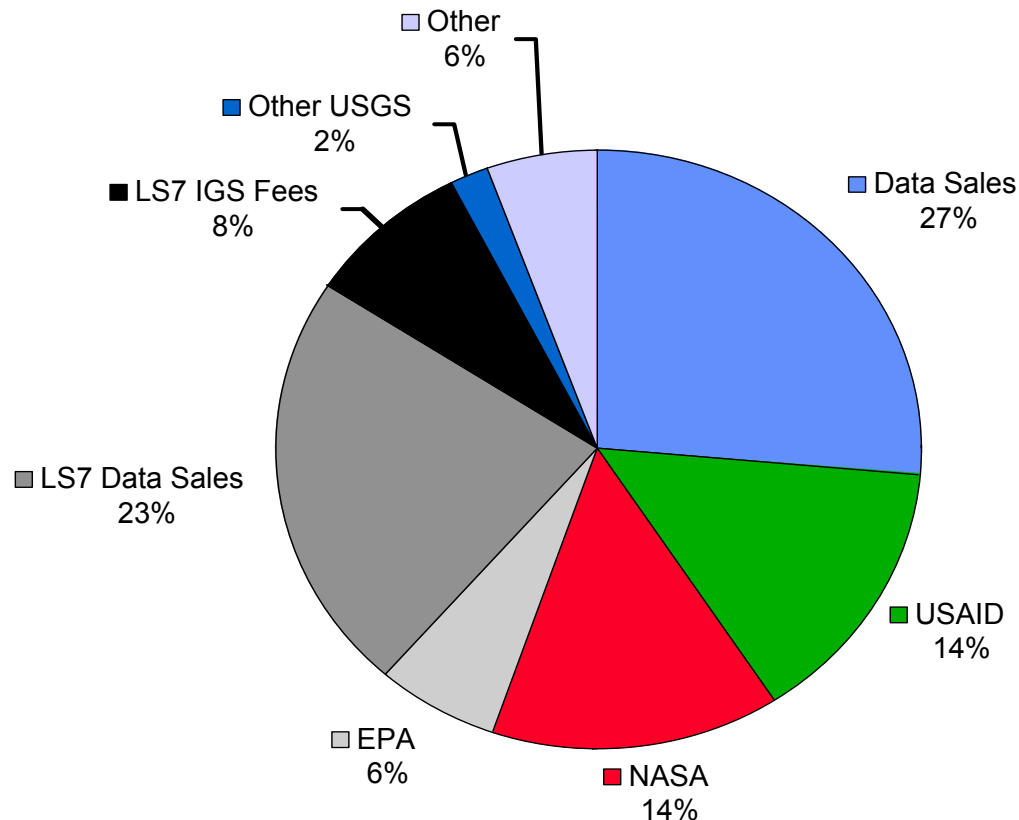
72% of Government and Raytheon staff have degrees.



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EDC FY 2000 Financial Operating Plan

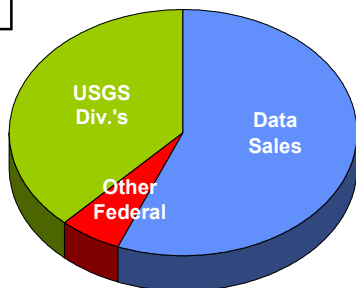
REIMB/OTHER USGS FUNDS By Customer



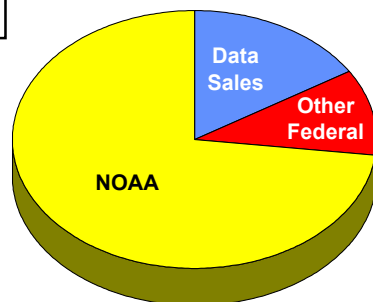
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Sources of Reimbursable Income

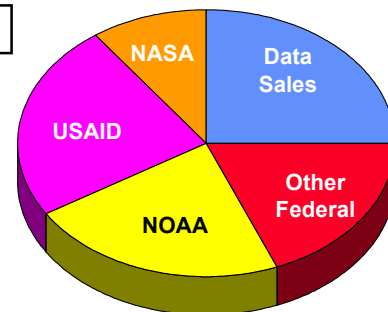
1979



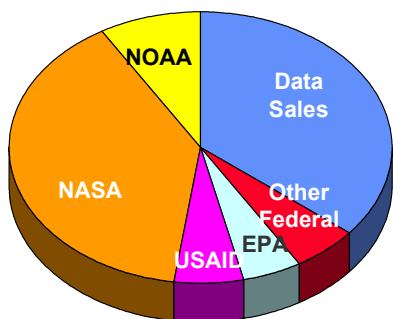
1985



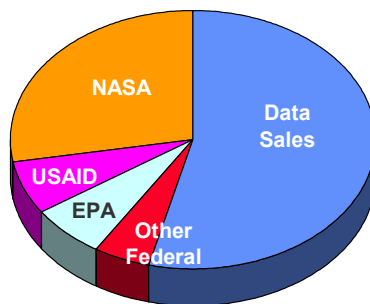
1991



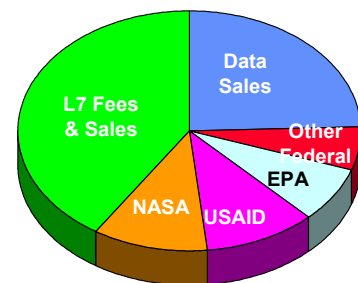
1998



1999



2000



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